ABSTRACT

A computer operating system identifies and renames communication (COMM) ports associated with infrared (IR) transceivers that communicate with IR devices. The operating system detects all available COMM ports, identifies a COMM port dedicated to an IR transceiver, and renames that COMM port from a non-descriptive virtual port name (e.g., COM4) to another, more descriptive virtual port name (e.g., "Infrared Port"). In this manner, rather than seeing a list of indistinguishable virtual port names (e.g., "COM0", "COM1", ... "COM9") in which one may be dedicated to the IR transceiver, a user is presented with a list of virtual port names that includes one conspicuously descriptive port name (e.g., "Infrared Port"). This removes the guesswork and frustration for the user during configuration. The operating system also enables reverse conversion from the descriptive name back to the non-descriptive virtual port name for internal use.